

## ABSTRACT OF THE DISCLOSURE

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In wavetable based sound synthesis, the wavetable data may comprise samples in a loop section, which samples may be reused for a playback in a loop as often as required. According to a first aspect of the invention, it is  
10 proposed that the internal state of a decoder operating on a frame-by-frame basis is restored before each repetition of a decoding of a stored encoded frame comprising the beginning of a loop section. According to a second aspect of the invention, the original wavetable  
15 data is padded at the beginning before encoding the wavetable data on a frame-by-frame basis for storage, such that all samples of the loop section are included in a single frame, if possible. According to a third aspect of the invention, a last, possibly incomplete frame  
20 provided for encoding is filled up with samples resulting from a periodic extension of the loop section.

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